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# Declaration under Rule 28(4) EPC (expert solution)

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- Modular assembly of antibody genes, antibodies prepared thereby and use.

© cDNA genetic sequences, vehicles containing same as well as hosts transformed therewith, for the production of chimeric immunoglobulin molecules, functional fragments thereof and immunoglobulin derivatives exhibiting novel functional properties comprising human constant region modules and non-human variable region modules, or for class switching antibody molecules and/or chains.

## **EUROPEAN SEARCH REPORT**

EP 93 10 0041

		IDERED TO BE RELEVA	INT	
Category	Citation of document with of relevant p	indication, where appropriate, assages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	EP-A-0 125 023 (GE 14 November 1984 * page 52 - page 58	NENTECH/CITY OF HOPE)  3 *	8,9	C12N15/62 C12N15/13 C12P21/02
X			6,7, 10-12	
<b>\</b>	WO-A-8 702 671 (IN ENGINEERING, INC) 7 May 1987 * page 70 *	TERNATIONAL GENETINC	1-13	
	pages 1041 - 1043 BETTER ET AL. 'Esch	988, LANCASTER, PA US nerichia coli secretion ric antibody fragment' nt *	1-13	TECHNICAL FIELDS SEARCHED (Int. Cl.4)  C12N C12P C07K
	The present search report has i	een drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
T	HE HAGUE	21 JUNE 1993		CUPIDO M.
X : parti Y : parti docu A : tech O : non-	CATEGORY OF CITED DOCUME icularly relevant if taken alone icularly relevant if combined with an iment of the same category nological background written disclosure mediate document	E : earlier paten after the filir other D : document cit L : document cit	nciple underlying the t document, but public g date led in the application ed for other reasons	ished on, or



C	LAIMS INCURRING FEES			
The pres	sent European patent application comprised at the time of filing more than ten claims.			
	All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.			
- 🗆	Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,			
	namely claims:			
	No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.			
L	ACK OF UNITY OF INVENTION			
The Sea	rch Division considers that the present European patent application does not comply with the requirement of unity of			
invention	n and relates to several inventions or groups of inventions,			
namely:				
See Sheet B				
See Sheet B				
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ξΣķ	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.			
	Only part of the further search fees have been paid within the fixed time limit. The present European search			
	report has been drawn up for those parts of the European patent application which relate to the inventions in			
	respect of which search fees have been paid,			
	namely claims:			
	None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.			
	namely claims:			

EP 93100041

## LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

## 1. Claims 1-5, 13

Chimeric immunoglobulin molecules linked to a procaryotic polypeptide secretion signal and polynucleotide molecules encoding said immunoglobulins.

### 2. Claims 6-12

Processes of preparing the Fd or Fab portion of an immunoglobulin and polynucleotide molecules to be used in these processes.